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POLYETHERESTERAMIDE AND RESIN COMPOSITION

SANYO CHEM IND LTD

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Abstract:

PURPOSE: To obtain a polyetheresteramide useful as a molding material and having excellent heat resistance, permanent antistaticity, and mechanical characteristics, and further to obtain a thermoplastic resin composition containing the same.

CONSTITUTION: The polyetheresteramide is derivatized from a polyamide having carboxylic groups at both the molecular terminals and a number-average mol.wt. of 500-5,000 and a bisphenol compound-ethylene oxide adduct having a number-average mol.wt. of 1,600-3,000; and the resin composition comprises the polyetheresteramide and a thermoplastic resin. The polyetheresteramide has excellent heat resistance and permanent antistaticity. The resin composition comprising the polyetheresteramide and the thermoplastic resin such as a styrenic resin exhibits excellent heat resistance, permanent antistaticity and mechanical characteristics as a molding material.